



MBT-12502/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Harald Hans Schmidt

Serial No.: 10/693,796

Filing Date: October 24, 2003

Group Art Unit

For: APPARATUS FOR HEATING INJECTION MOLDING FLUID

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
PO BOX 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provision of 37 CFR 1.97 and 1.98, a list of prior art that may be relevant to the above-identified application is being submitted herewith on Form PTO-1449. Also please note the relevant art listed in the Information Disclosure Statement filed on 9/26/02 and Supplemental Information Disclosure Statement filed on 11/14/02 in U.S. Application Patent No. 6,683,283 issued on January 27, 2004. Neither the undersigned attorney nor the Applicant have reviewed the documents listed in those Information Disclosure Statements.

[x] The Commissioner is hereby authorized to charge payment of any fees required under 37 CFR 1.16 or any patent application processing fees under 37 CFR 1.17 associated with this communication or during the pendency of this application or credit any overpayment to Deposit Account No. 07-1180. A duplicate copy of this sheet is enclosed.

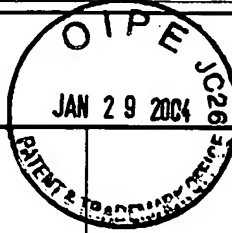
Respectfully submitted,

Allen M. Krass  
Registration No. 18,277  
Gifford, Krass, Groh, Sprinkle,  
Anderson & Citkowski, P.C.  
280 N. Old Woodward, Ste. 400  
Birmingham, MI 48009  
(248) 647-6000

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
MBT-12502/03

In Re Application Of: **Harald Hans Schmidt**



Serial No.  
10/693,796

Filing Date  
October 24, 2003

Examiner

Group Art Unit

Title: **APPARATUS FOR HEATING INJECTION MOLDING FLUID**

Address to:

Assistant Commissioner for Patents  
Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
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Serial No.  
10/693,796

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Examiner

Group Art Unit

**APPARATUS FOR HEATING INJECTION MOLDING FLUID**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 07-1180 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
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Washington, D.C. 20231.

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**Rainie Mills**

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**Allen M. Krass**  
Signature

ALLEN M. KRASS, Reg. No. 18,277

Gifford, Krass, Groh, Sprinkle,  
Anderson & Citkowski, P.C.  
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CC:

Dated: **1.27.04**

JAN 29 2004

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 5

## Complete if Known

Application Number 10/693,796  
Filing Date October 24, 2003  
First Named Inventor SCHMIDT, Harald  
Art Unit  
Examiner Name  
Attorney Docket Number MBT-12502/3.

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 3,535,742	10/27/70	Marcus	
		US- 3,780,764	12/25/73	Geist	
		US- 3,820,928	6/28/74	Lemelson	
		US- 3,861,841	1/21/75	Hanning	
		US- 3,952,927	4/27/76	Schaumburg et al.	
		US- 4,204,906	05/27/80	Liu	
		US- 4,389,002	6/21/83	Devellian et al.	
		US- 4,521,179	6/4/85	Gellert	
		US- 4,500,279	2/19/85	Devellian et al.	
		US- 4,588,367	5/13/86	Schad	
		US- 4,592,711	6/3/86	Capy	
		US- 4,701,292	10/20/87	Valyi	
		US- 4,747,770	5/31/88	Schmidt	
		US- 4,755,131	7/5/88	Schmidt	
		US- 4,768,945	9/6/88	Schmidt et al.	
		US- 4,793,795	12/27/88	Schmidt et al.	
		US- 4,863,369	9/5/89	Schad et al.	
		US- 4,931,234	6/5/90	Schad et al.	
		US- 4,932,854	6/12/90	Matsuda et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>

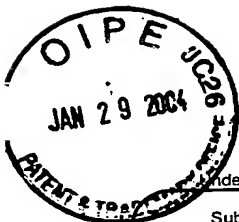
Examiner  
Signature

Date  
Considered

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2

of 5

**Complete if Known**

Application Number	10/693,796
Filing Date	October 24, 2003
First Named Inventor	SCHMIDT, Harald
Art Unit	
Examiner Name	
Attorney Docket Number	MBT-12502/3

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,007,821	4/16/91	Schmidt	
		US- 5,009,718	4/23/91	Schmidt	
		US- 5,078,589	1/7/92	Osuna-Diaz	
		US- 5,141,696	8/25/92	Osuna-Diaz	
		US- 5,149,547	9/22/92	Gill	
		US- 5,192,555	3/9/93	Arnott	
		US- 5,225,662	7/6/93	Schmidt	
		US- 5,281,374	1/25/94	Matsuda et al.	
		US- 5,288,222	2/22/94	Wieser	
		US- 5,356,576	10/18/94	Fischbach	
		US- 5,360,333	11/1/94	Schmidt	
		US- 5,378,139	1/3/95	Schad et al.	
		US- 5,389,315	2/14/95	Yabushita	
		US- 5,492,467	2/20/96	Hume et al.	
		US- 5,545,028	8/13/96	Hume et al.	
		US- 5,554,395	9/10/96	Hume et al.	
		US- 5,556,582	9/17/96	Kazmer	
		US- 5,591,366	1/7/97	Schmidt et al.	
		US- 5,601,773	2/11/97	Schmidt et al.	

**FOREIGN PATENT DOCUMENTS**

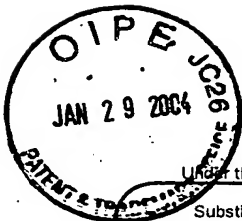
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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Sheet **3**

of **5**

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		US- 5,674,439	10/7/97	Hume et al.	
		US- 5,871,786	2/16/99	Hume et al.	
		US- 5,885,624	3/23/99	Katsuta et al.	
		US- 5,885,628	3/23/99	Swenson et al.	
		US- 5,894,025	4/13/99	Lee et al.	
		US- 5,916,605	6/29/99	Swenson et al.	
		US- 5,948,448	9/7/99	Schmidt	
		US- 5,948,450	9/7/99	Swenson et al.	
		US- 5,980,237	11/9/99	Swenson et al.	
		US- 6,000,831	12/14/99	Triplett	
		US- 6,027,328	2/22/00	Herbst	
		US- 6,062,840	5/16/00	Lee et al.	
		US- 6,254,377	7/3/01	Kazmer et al.	
		US- 6,261,075	7/17/01	Lee et al.	
		US- 6,261,084	7/17/01	Schmidt	
		US- 6,287,107	9/11/01	Kazmer et al.	
		US- 6,294,122	9/25/01	Moss et al.	
		US- 6,309,208	10/30/01	Kazmer et al.	
		US- 6,343,921	2/5/02	Kazmer et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>4</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
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Application Number 10/693,796

Filing Date October 24, 2003

First Named Inventor SCHMIDT, Harald

Art Unit

Examiner Name

Attorney Docket Number MBT-12502/3

Sheet

5

of

5

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

Examiner Signature		Date Considered	
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